LERNER AND GREENBERG, P.A.

PATENT ATTORNEYS AND ATTORNEYS AT LAW

2200 Hollywood Boulevard
Hollywood, Florida 33020
Tel: (954) 925-1100
Fax: (954) 925-1101

Herbert L. Lerner (NY Bar)
Laurence A. Greenberg (FL Bar)

Werner H. Stemer (FL Bar), Senior Attorney

Ralph E. Locher (FL, IL, MO Bars)
Manfred Beck (US & German Pat Agent)
Mark P. Weichselbaum (TN Bar)
Gregory L. Mayback (FL Bar)
Markus Nolff (FL Bar)
Otto S. Kauder (Reg Pat. Agent)
Adam A. Jorgensen (Reg Pat Agent)

www.patentusa.com
patents@patentusa.com

Mailing Address:
Post Office Box 2480
Hollywood, FL 33022-2480

New York Office
153 E 57th Street
Suite 15G
New York, NY 10022

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Docket No.: GR 97 P 2193

_____
ALEXIA VRAHIMIS

Date: February 22, 2000

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

S i r :

Enclosed herewith are the necessary papers for filing the following application for Letters Patent:

Applicant   :   Dietrich Arbenz

Title   :   Method of Determining the Technical Address of a Communication Partner and Telecommunications Apparatus

3 sheets of formal drawings in triplicate.
A check in the amount of $690.00 covering the filing fee.
Information Disclosure Statement and 9 References.
PCT Publication Cover Sheet.

This application is being filed without a signed oath or declaration under the provisions of 37 CFR 1.53(d). Applicant awaits notification of the date by which the oath or declaration and the surcharge are due, pursuant to this rule.

The Patent and Trademark Office is hereby given authority to charge Deposit Account No. 12-1099 of Lerner and Greenberg, P.A. for any fees due or deficiencies of payments made for any purpose during the pendency of the above-identified application.

Respectfully submitted,

For Applicant
LAG:bb

LAURENCE A. GREENBERG
REG. NO. 29,308

Docket No.:   GR 97 P 2193

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant   :   Dietrich Arbenz

Filed   :   February 22, 2000

Title   :   Method of Determining the Technical Address of a Communication
                    Partner and Telecommunications Apparatus

L E T T E R

Hon. Commissioner of Patents and Trademarks,
Washington, D. C. 20231

S i r :

The instant new patent application was deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. 1.10 at the Hollywood Florida Post Office on February 22, 2000. Two packages having adequate Express Mail postage were taped together and a copy of the Express Mail Label showing receipt on February 22, 2000, is enclosed.

Apparently, the packages became separated and the package containing this application was returned to undersigned counsel on March 6, 2000. Undersigned Counsel immediately telephoned the Post Office and enclosed is a letter confirming deposit with the Post Office.

The application is being presented to the Patent and Trademark Office for filing and in view of the foregoing, counsel requests that the instant application be accorded a filing date of February 22, 2000.

Respectfully submitted,

For Applicant

Date: March 10, 2000

LAURENCE A. GREENBERG
REG. NO. 29,308

Lerner and Greenberg, P.A.
Post Office Box 2480
Hollywood, FL 33022-2480
Tel: (954) 925-1100
Fax: (954) 925-1101
/bb

UNITED STATES
POSTAL SERVICE

March 20, 2000

Lerner and Greenberg, P.A.
2200 Hollywood Boulevard
Hollywood, FL 33020

Dear Sir:

Per our telephone conversation, this is to assure you that we did accept the Express item, label number EL080657938US, on February 22, 2000.

This mailing included two Express Mail envelopes taped together with the Express Mail label on top. We did weigh in both parcels and assessed you the amount of $36.80. After going into the mailstream, the two envelopes came apart. The bottom parcel, having no label on it, went to the Dead Letter Office in Atlanta, Georgia. Upon opening it, your address was found and it was sent back to you. The Express Mail label (see attached) listed the patent items that were contained in both envelopes.

Due to the error made on our part, we will be happy to forward the remaining items to the Patent Office as soon as you bring them into the Post Office located at 1801 Polk Street. I have made another manager in the office, Dave Shimpeno, aware of this situation so ask for either one of us.

We apologize for any inconvenience this may have caused you.

Sincerely,

Patricia A. Mahon
Manager, Customer Services
Hollywood, FL 33022-9998

PAM:caj

Attachments

1801 POLK STREET
HOLLYWOOD, FL 33022-9998
(954) 926-8600
FAX: (954) 926-8668

METHOD OF DETERMINING THE TECHNICAL ADDRESS OF A COMMUNICATION PARTNER AND TELECOMMUNICATIONS APPARATUS

5   Cross-Reference to Related Application:

This is a continuation of copending International Application PCT/DE98/02309, filed August 11, 1998, which designated the United States.

10   Background of the Invention:

        Field of the Invention:

The invention relates, in general, to a method and an apparatus for providing a directory containing information regarding possible communication partners for a user, and for

15   obtaining at least one possible communication partner from the directory and suggesting the possible communication partner to the user.

To determine technical addresses, such as telephone and fax

20   numbers, it is known practice to use suitable directories. In particular, public, company-internal and user-specific directories are known.

The known CD-ROMs containing telephone directory data

25   represent publicly accessible directories. However, such directories do not contain e-mail addresses, for example, and

also do not contain extension numbers that are important for business calls.

Centrally managed company-internal directories are
5   comparatively complete within the company field, as far as different communication media and extension numbers are concerned. This does not apply to addresses that are external to the company. These external addresses are typically not provided or are only provided on a rudimentary basis.
10

User-specific directories are created by the user himself. They can therefore be well matched to the requirements of the user. However, creating and continuously updating a user-specific directory is very time consuming, therefore, many
15   users do not use the available possibilities at all or do not use them fully.

Summary of the Invention:

It is accordingly an object of the invention to provide a
20   method and a device that enables the prevention of the aforementioned problems and that enables the flexible and efficient determination of the technical address of a communication partner and that, in particular, enables the administrative effort of the user to be as low as possible.

25

With the foregoing and other objects in view there is

provided, in accordance with the invention, a method of

determining a communication partner's technical address for a

user. A directory is provided that includes at least one

5   technical address and at least one identifier for each one of

a plurality of possible communication partners for a user.

Based on an input from the user, at least one communication

partner is obtained from the directory and is suggested to the

user. At least one of the steps of providing the directory or

10   suggesting the communication partner is performed

automatically based on the user's previous communication

behavior.

The invention thus provides a convenient means of finding the

15   desired technical address. In terms of effect, the invention

is equivalent to a personal directory which is automatically

created and automatically updated. The invention thus affords

the advantages of a personal, user-specific directory with

little effort for the user in terms of managing and

20   maintaining the directory. At the same time, as it were, the

user supplies the necessary information about his

communication behavior by actually using the

telecommunications apparatus.

25   According to the invention, the directory contains a

multiplicity of entries each containing at least one technical

address and at least one identifier or identifying particular
about a communication partner. In the context of the
invention, a technical address should be regarded as being, in
particular, telephone and fax numbers, e-mail addresses,
5   internet addresses and all other information used to call the
communication partner. However, in the context used here, a
technical address can also be a conventional postal address or
another item of information about a communication partner that
is suggested by a technical device. The communication partner
10   can be a person or a machine, in the latter case a WWW server,
for example.

The identifier or identifying particular is regarded as being
any item of information which is directed at the user and
15   denotes the communication partner for the user. Such a
particular can be, for example, a name, a name component, a
short description of the content of a WWW server and so on.
For each communication partner, the directory preferably
contains as many identifying particulars and as much other
20   information as possible.

As already mentioned, the invention is intended to be
equivalent, in terms of effect, to a personal directory which
is built up automatically. To achieve this effect, preferred
25   embodiments provide just such a personal directory. In
alternative embodiments, on the other hand, only suitably

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coded information about the user's previous communication

behavior is stored and is then used as the basis for

suggesting an entry from a non-personal directory, for

example, a central, company-internal, or public directory.

5

In the two cases mentioned, personal information about the

user's previous communication behavior is stored, specifically

either in a personal directory or directly. Furthermore, in

the two cases mentioned, a predetermined (particularly a

10 public or company-internal) directory is preferably used,

specifically either such that the suggestion is taken directly

from the predetermined directory or such that the personal

directory is compared with the predetermined directory on

creation and is added to from the latter.

15

In preferred embodiments in which a personal directory is

created, this is preferably done by recording the technical

addresses of previous communication partners over a

predetermined time period or continuously. For each new

20 technical address, an entry is created in the personal

directory. The effort for the user is particularly small if

the entry is completely automatically created as a result of

obtaining further identifying items or particulars for this

entry from available directories (for example company-internal

25 or public directories) without the co-operation of the user.

If this is not or is not entirely possible, the information

still required is requested from the user in preferred embodiments. This procedure can be used for automatically creating, over time, a personal directory that is well matched to the communication habits of the user.

5

To simplify the search for entries in the personal directory or in another directory, the invention preferably provides that the user has to input only an arbitrary part of the information stored in the entry being sought, for example only

10 the beginning of the name of the desired communication partner or the beginning of the technical address being sought. The latter possibility is handy if the user remembers part of the technical address, which may be the case with frequently used telephone numbers or with e-mail addresses.

15

If the user's input is not sufficient to unambiguously identify the desired target subscriber, one of the possible target subscribers is suggested on the basis of the user's previous communication behavior. By way of example, the

20 communication partner called most frequently to date can be suggested, or the target subscriber amongst those possible who was addressed last. In preferred embodiments, the user can then either accept the suggestion or request another suggestion.

25

With the foregoing and other objects in view there is also

provided, in accordance with the invention, a

telecommunications apparatus for determining a technical

address of a communication partner for a user. The apparatus

5   includes a device for providing a directory that includes at

least one technical address and at least one identifier for

each one of a plurality of possible communication partners,

and a device for suggesting at least one communication partner

from the directory based on an input by a user.

10

The telecommunications apparatus preferably enables

establishing a communication connection to the communication

partner suggested or to the communication partner selected by

the user on the basis of the suggestions.

15

The other subclaims relate to other preferred embodiments.

Other features which are considered as characteristic for the

invention are set forth in the appended claims.

20

Although the invention is illustrated and described herein as

embodied in a method of determining the technical address of a

communication partner and telecommunications apparatus, it is

nevertheless not intended to be limited to the details shown,

25   since various modifications and structural changes may be made

therein without departing from the spirit of the invention and within the scope and range of equivalents of the claims.

5　The construction and method of operation of the invention, however, together with additional objects and advantages thereof will be best understood from the following description of specific embodiments when read in connection with the accompanying drawings.

10　Brief Description of the Drawings:

Fig. 1 shows a block diagram of a telecommunications apparatus according to the invention;

Fig. 2 shows an illustrative extract from a personal

15　directory;

Fig. 3 shows a flowchart for a method used to create and update the directory; and

20　Fig. 4 shows a flowchart for a method used to determine a technical address.

Description of the Preferred Embodiments:

Referring now to the figures of the drawing in detail and

25　first, particularly to Fig. 1 thereof, there is seen a telecommunications apparatus 10 in the form of a multi-

functional terminal offering the functions of a telephone, a

fax machine and a terminal for e-mail and internet-

connections. A main part of the telecommunications apparatus

10 has a control computer with a central processor unit 12

5   which accesses a non-volatile write/read memory 18 and an

operating program stored in a read-only memory 16 via a bus

14. In addition, an interface module 20 and an input/output

module 22 are connected to the bus 14.

10   The telecommunications apparatus 10 is connected to a central

communication system via the interface module 20 and a

connection socket 24. The input/output module 22 has a display

device 26 in the form of an alphanumeric LCD screen, an

alphanumeric keyboard 28, a microphone 30 and a loudspeaker 32

15   connected to it.

The non-volatile write/read memory 18 stores a personal

directory for the user. Fig. 2 shows an exemplary portion of

such a personal directory. For each of the user's

20   communication partners, this directory contains the name,

company, telephone, fax number, e-mail address, the date and

time that the communication partner was last called, and an

identifier or particular information item about the number of

connections to this communication partner.

25

In alternative embodiments, the directory can contain additional, fewer, or other identifiers or particular information items, for example additional technical addresses or data such as the road, town, or postal code (e.g.-zip

5   code). Additional or other information about previous contacts with each communication partner can also be listed, for example an individual list of contact instances or the call frequency within a predetermined time period, for example within the last month. Furthermore, information about access

10   times and frequencies can be recorded separately for each communication medium.

The components of the main part of the telecommunications apparatus 10 shown in Fig. 1 form a device for determining the

15   technical address of a communication partner for a user. The central processor unit 12 is used, in combination with the operating program in the read-only memory 16, the write/read memory 18, the display device 26, and the keyboard 28 and together serve both as a device for providing the personal

20   directory and as a device for suggesting at least one communication partner. In addition, the aforementioned elements and the interface module 20, the microphone 30 and the loudspeaker 32 constitute a device for establishing a communication connection to the determined communication

25   partner.

During operation of the telecommunications apparatus 10, the user's personal directory contained in the write/read memory 18 is first created using an automatic method and is then continuously updated.

5

To create the personal directory, the steps shown in Fig. 3 are carried out over a predetermined time period for each technical address selected by the user. When the user establishes a communication connection, and in so doing,

10 stipulates a technical address (step 34), after the communication connection has been terminated, a check is performed to determine whether the technical address that has been used is already contained in the personal directory (query 36). If this is not the case, a new entry with this

15 address is created in the personal directory (step 38).

The newly created entry is now completed automatically as far as possible (step 40). For this, the telecommunications apparatus 10 accesses a predetermined, external directory

20 available in the central communication system. The predetermined directory contains both company-internal entries and entries from public directories which can be accessed by the central communication system. In alternative embodiments, the telecommunications apparatus 10 has a bulk memory that

25 directly contains the predetermined directory, and/or has an

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interface for accessing an external database. Interaction with the central communication system is then unnecessary.

To complete the entry, the identifiers or particular information items about the communication partner that are provided in the personal directory, for example his name and his other technical addresses, are adopted in the personal directory from the predetermined directory. If this is not possible or is not fully possible ("no" branch of query 42), then the identifiers or particular information items that are still missing are requested from the user. The request can be made by means of an appropriate message on the display device 26, by means of speech output via the loudspeaker 32, or by means of a special tone output when the communication connection has been ended. The user inputs the requested data on the keyboard 28, and appropriate additions are then made to the entry (step 44). In alternative embodiments, the requesting of data from the user is restricted to fundamental data categories. For example, provision may be made for only the name of the communication partner to be requested from the user.

As the final step, the access information is updated in the entry called in the personal directory (step 46). In the directory structure shown by way of example in Fig. 2, the date and time of the last call are set to the current date and

time for this purpose. In addition, the call frequency is
increased by 1, or in the case of a newly set up entry is set
to 1.

5   The method steps just described are carried out, even after
the end of the personal directory's creation phase, whenever
the user uses a technical address which is not yet known. This
means that the personal directory is continuously updated. In
alternative embodiments, provision can be made for the phases
10   of initial creation and routine updating of the personal
directory to be distinguished. For example, one provision may
be that, in the course of operation of the telecommunications
apparatus 10, new entries are recorded in the personal
directory only when a command is given by the user.
15   Alternatively, when there is a new communication partner, the
user can be asked (possibly by outputting speech via the
loudspeaker 32) whether a corresponding entry is to be created
in the personal directory. The access information is updated
with each communication connection, however (step 46).

20

To determine a technical address that is being sought, the
method shown in Fig. 4 is used in the exemplary embodiment
described here. The user uses the keyboard 28 to input search
information, for example the beginning of a name or the
25   beginning of a technical address (step 48). The personal
directory is then searched for an appropriate entry (step 50).

In the exemplary embodiment described here, each arbitrary occurrence of the search information in an entry is regarded as a hit. In alternative embodiments, individual components of an entry, for example the company, can be specifically

5 searched for. Search strategies are also possible in which there need only be an approximate (for example phonetic) match between the search information and the entry in the personal directory.

10 If no entry is found ("=0" branch of query 52), then the desired technical address is requested from the user (step 54). The communication connection is established by calling this address (step 56). When the communication connection has been ended, the personal directory is updated using the method

15 shown in Fig. 3 and described above (step 58 in conjunction with steps 38 - 46). In alternative embodiments, the user can be given the option of repeating the search procedure with other search information in the event of an unsuccessful search.

20

If just one entry is found, that is to say the search information was unambiguous, ("=1" branch of query 52), then the communication connection is established immediately by calling the technical address contained in the entry (step

25 56). In this case too, the personal directory has the access data which is stored in it updated (step 58 in conjunction

with step 46). In alternative embodiments, the entry found can

be displayed to the user via the display device 26 before the

connection is established, and the user's confirmation can be

obtained. If the entry found contains a postal address, this

5   can be output on a printer or can be forwarded to a word

processing system.

If the search information causes a plurality of entries to be

found ("> 1" branch of query 52), one of these entries is

10   selected and displayed (step 60). In the exemplary embodiment

described here, a combination of two strategies is used for

selection. First, the entry last called is determined amongst

the entries found. If the time at which it was called is in a

predetermined time period (for example within the last day or

15   within the last hour), then it is assumed that the user wishes

to connect to the appropriate communication partner again, and

the entry is selected and suggested in step 60. If, however,

none of the entries found was called in the predetermined time

period, the time of the last call is disregarded, and the

20   entry selected most frequently to date is suggested instead.

If, by way of example, the user inputs the digits "7234" in

step 48 as search information for the personal directory shown

in Fig. 2, then the entries for the communication partners

25   "Müller, E." and "Müller, M." are found in step 50, because

their telephone numbers both begin with "7234". If this query

is made at 9:45 on 18.3.97 (where the date is the first
number, the month is the second number, and the year is the
last number shown), then the entry for "Müller, E." has
priority and is suggested in step 60. If, however, the search
5   is not carried out until 20.3.97, then the system primarily
suggests the entry for "Müller, M." because of the higher
overall call frequency.

In variant embodiments, modified selection strategies for
10   suggesting one of a plurality of entries found are possible.
For example, a decision can be made only on the basis of the
previous call frequency or only on the basis of the time of
the last call, or both criteria can be combined on the basis
of a points key. If the personal directory contains more or
15   other connection information, this information can be
evaluated appropriately. By way of example, the access
frequency over a predetermined, adjustable time period can be
taken into account.

20   The entry selected in step 60 is displayed on the display
device 26. In the exemplary embodiment described here, all the
identifiers or identifying particulars in the selected entry
are then displayed, that is to say name and company in this
case. In alternative embodiments, further identifying
25   particulars are stored in the personal directory and are
displayed to the user, particularly a postal address.

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Alternatively, only a selection of the identifying particulars available in the personal directory can be displayed so that the user is not burdened with superfluous information.

5   The user can accept or reject the entry displayed by pressing either an "Enter" key or a "Next" key on the keyboard 28. If the user accepts the suggestion ("Yes" branch in query 62), then the connection is established as described above. If the user rejects the suggestion ("No" branch in query 62), then

10 another entry is selected and displayed (step 64). The method used to select the other entry is equivalent to that in step 60, but entries which have already been displayed are no longer suggested. In alternative embodiments, different selection methods can be used in steps 60 and 64.

15

Query 62 and step 64 are repeated until the entry desired by the user is found or until no further entry can be displayed. In the latter case, the user can either restart the search or can input the desired technical address directly.

20

In alternative embodiments, provision is made for a plurality of entries in the form of a list shown on the display device 26 to be suggested to the user. The list is sorted on the basis of the call probability determined by the system, and a

25 cursor is already on the entry that is most probable on the basis of the selection strategy. Addressing of this subscriber

can now be initiated by the user by means of a simple mouse

click or by pressing the "Enter" key. If necessary, the user

can select another entry by running through the list using

arrow keys on the keyboard 28 or using a mouse.

5

In other alternative embodiments, just information about

previous connections is stored instead of a personal

directory. By way of example, a user-specific file can

contain, for each technical address called, the date and time

10 of calling and the call frequency to date. Such a file differs

from the directory shown in Fig. 2 in that it has no

identifying particulars. However, these identifying

particulars can be read from a company-internal or public

directory whenever the file is accessed. This means that the

15 telecommunications apparatus 10 can make a suggestion based on

past communication dealings in these alternative embodiments

too, for which purpose the method illustrated in Fig. 4 can be

used, for example.

I claim:

1. A method of determining a communication partner's technical address for a user, which comprises:

providing a directory that includes at least one technical address and at least one identifier for each one of a plurality of possible communication partners for a user;

based on an input from the user, obtaining at least one possible communication partner from the directory and suggesting the possible communication partner to the user; and

performing at least one of the preceding steps automatically based on the user's previous communication behavior.

2. The method according to claim 1, which comprises performing the step of providing the directory by using at least one directory selected from the group consisting of a public directory, a directory used for a restricted user group, and a user-specific directory.

3. The method according to claim 1, which comprises providing the directory as a personal directory for the user.

4. The method according to claim 1, in which the step of providing a directory includes obtaining the at least one

technical address for each one of the plurality of possible

communication partners by recording technical addresses of the

user's previous communication partners over a predetermined

period of time.

5.   The method according to claim 1, in which the step of

providing a directory includes:

obtaining the at least one technical address for each one of

the plurality of possible communication partners by recording

technical addresses of the user's previous communication

partners over a predetermined period of time; and

obtaining the at least one identifier for at least one of the

plurality of possible communication partners from a

predetermined directory.

6.   The method according to claim 1, in which the step of

providing a directory includes:

obtaining the at least one technical address for each one of

the plurality of possible communication partners by recording

technical addresses of the user's previous communication

partners over a predetermined period of time; and

requesting from the user, the at least one identifier for at least one of the plurality of possible communication partners.

7. The method according to claim 1, wherein the input from the user includes information about at least part of the at least one technical address of a desired communication partner.

8. The method according to claim 1, wherein the input from the user includes information about at least part of the at least one identifier of a desired communication partner.

9. The method according to claim 1, wherein if the input from the user is ambiguous, the suggesting step is performed based on the user's previous communication behavior.

10. The method according to claim 1, wherein the step of obtaining and suggesting at least one possible communication partner provides a plurality of suggested possible communication partners; and which further comprises selecting one of the plurality of suggested possible communication partners by obtaining a further input from the user.

11. A telecommunications apparatus for determining a technical address of a communication partner for a user, comprising:

a device for providing a directory that includes at least one

technical address and at least one identifier for each one of

a plurality of possible communication partners; and

a device for suggesting at least one communication partner

from the directory based on an input by a user.

12.   The apparatus according to claim 11, wherein said device

for providing a directory operates automatically to provide

the directory based on the user's previous communication

behavior.

13.   The apparatus according to claim 11, wherein said device

for suggesting at least one communication partner operates

automatically with a predetermined selection strategy to

suggest the at least one communication partner based on the

user's previous communication behavior.

Docket No.: GR 97 P 2193

COMBINED DECLARATION AND POWER OF ATTORNEY
IN ORIGINAL APPLICATION

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD OF DETERMINING THE TECHNICAL ADDRESS OF A
COMMUNICATION PARTNER AND TELECOMMUNICATIONS APPARATUS

described and claimed in the specification bearing that title, that I understand the content of the specification, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve month prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application under 37 C.F.R. 1.56a, and that no application for patent or inventor's certificate of this invention has been filed earlier than the following in any country foreign to the United States prior to this application by me or my legal representatives or assigns:

German Application No. 197 36 441.1, filed August 21, 1997, the International Priority of which is claimed under 35 U.S.C. §119; and International Application No. PCT/DE98/02309, filed August 11, 1998, the Priority of which is claimed under 35 U.S.C. §120.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

HERBERT L. LERNER (Reg.No.20,435)
LAURENCE A. GREENBERG (Reg.No.29,308)
WERNER H. STEMER (Reg.No.34,956)
RALPH E. LOCHER (Reg.No. 41,947)

Address all correspondence and telephone calls to:

LERNER AND GREENBERG, P.A.
POST OFFICE BOX 2480
HOLLYWOOD, FLORIDA 33022-2480
TEL: (954) 925-1100 - FAX: (954) 925-1101

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE INVENTOR: DIETRICH ARBENZ

INVENTOR'S SIGNATURE: _____

DATE: _____

Residence: MÜNCHEN, GERMANY

Country of Citizenship: GERMANY

Post Office Address: KRENNERWEG 11
                            D-81479 MÜNCHEN
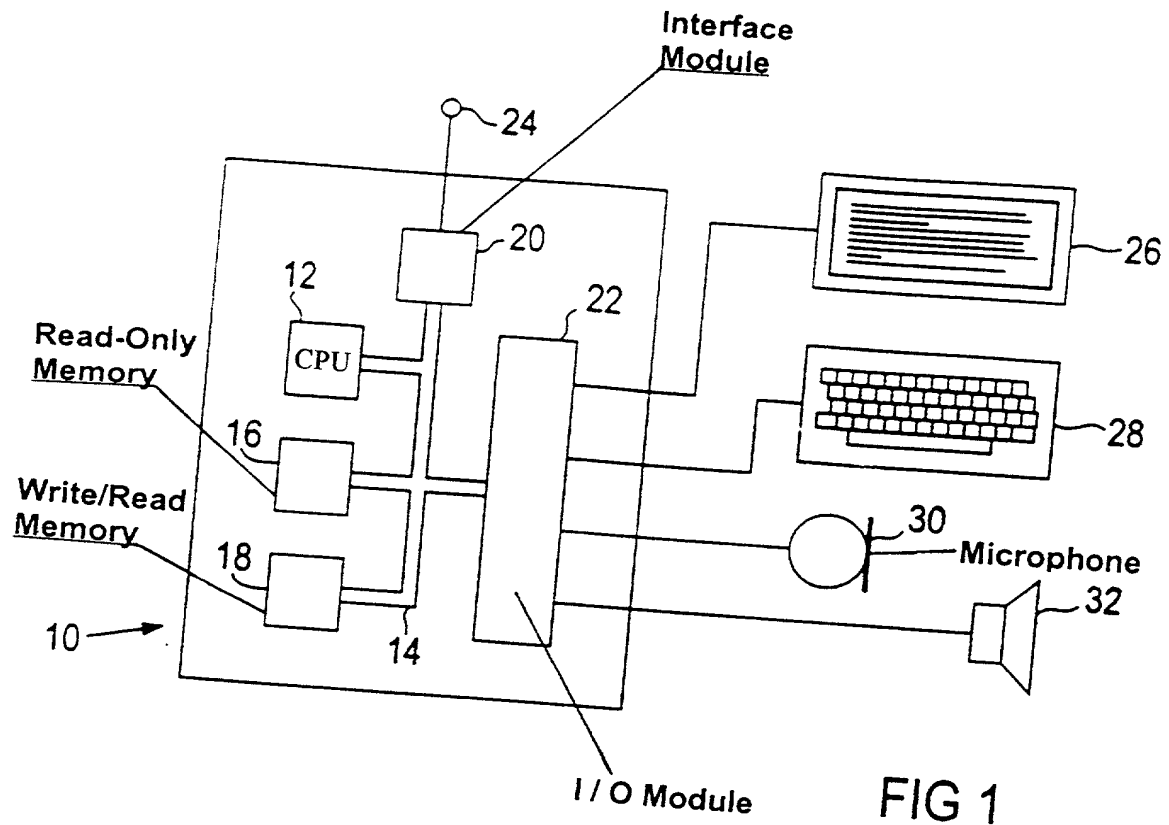   GERMANY

Abstract of the Disclosure:

A method of determining a communication partner's technical address for a user. A directory is provided that includes at least one technical address and at least one identifier for

5   each one of a plurality of possible communication partners for a user. Based on an input from the user, at least one communication partner is obtained from the directory and is suggested to the user. At least one of the steps of providing the directory or suggesting the communication partner is

10   performed automatically based on the user's previous communication behavior. A telecommunications apparatus is provided for performing the method.

15

MPW/tg

Interface
Module

24

20

12

Read-Only
Memory

CPU

22

16

Write/Read
Memory

18

10

14

26

28

30
Microphone

32

I / O Module

FIG 1

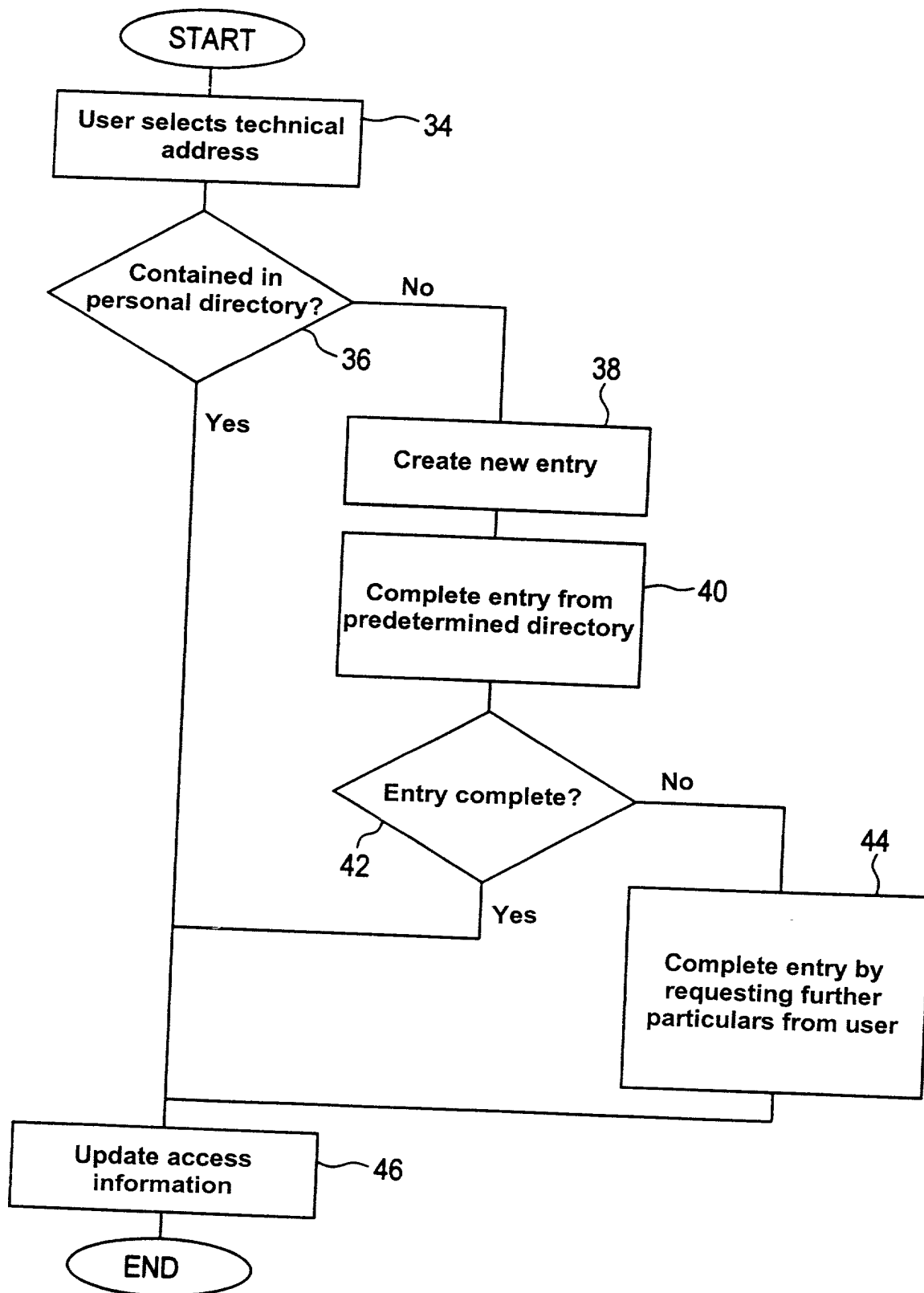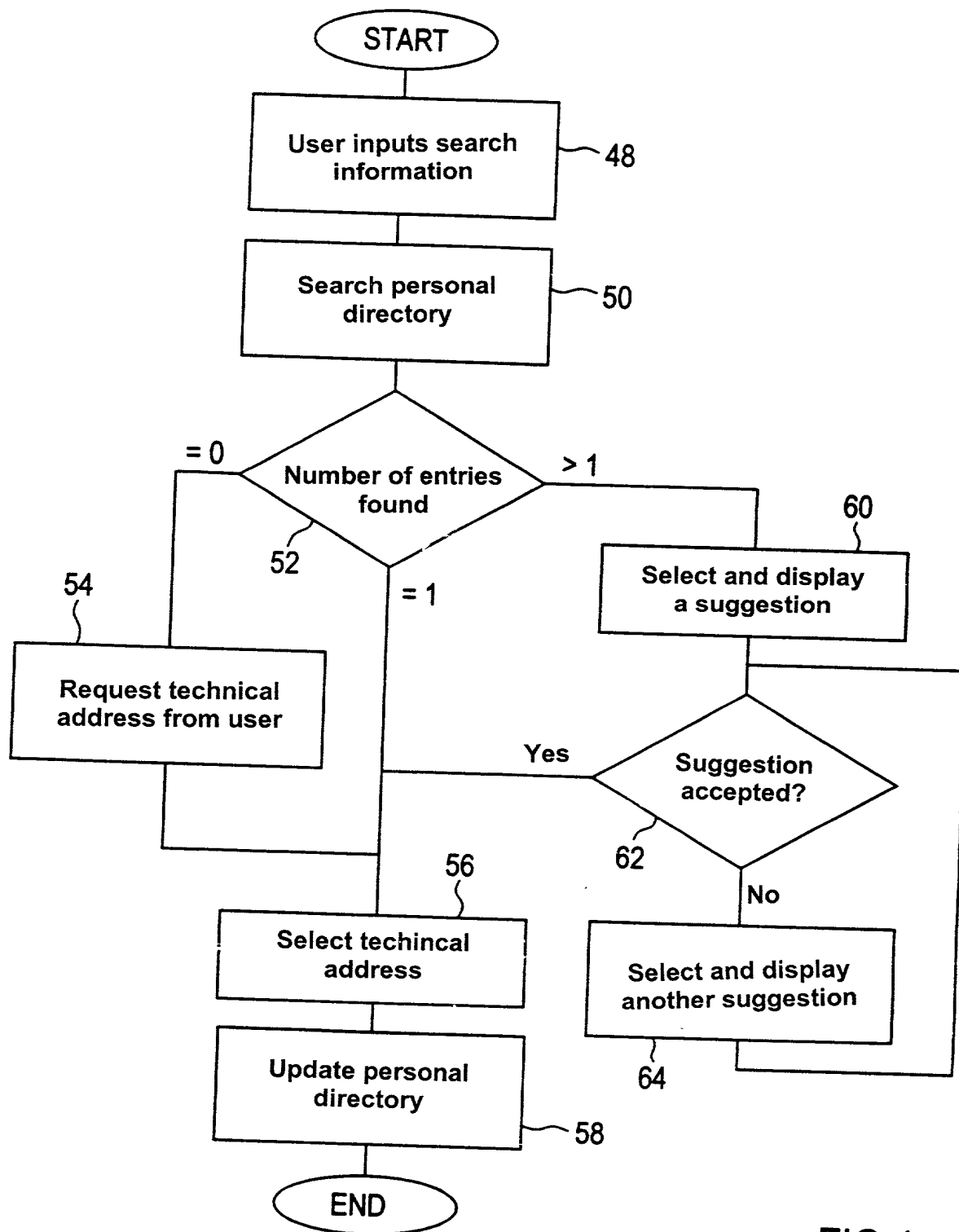| Name	Company	Telephone	Fax	E-Mail	Last Called	Call Frequency
Müller, E.	X AG	723-4567	723-9876	em@x.de	18.3.97, 9:00	2
Müller, M.	X AG	723-4321	723-9876	mm@x.de	11.2.97, 11:00	8
Müller, S.	Y KG	33 44 55	66 77 88	–	20.9.96, 16:15	1
Schulze	X AG	723-2468	723-2233	sch@x.de	18.3.97, 9:30	4

FIG 2

START

User selects technical
address — 34

Contained in
personal directory? — 36

No

Yes

Create new entry — 38

Complete entry from
predetermined directory — 40

Entry complete? — 42

No

Yes

Complete entry by
requesting further
particulars from user — 44

Update access
information — 46

END

FIG 3

FIG 4